

**AMENDMENTS TO THE CLAIMS:**

*Please amend the claims as follows:*

1. (Currently amended) A cylindrical lithium secondary battery ~~having a design~~  
capacity density of  $114 \text{ mAh/cm}^3$  ~~or more~~ comprising:

a positive electrode comprising a composite lithium oxide;

a negative electrode comprising a material capable of absorbing and desorbing lithium;

a separator interposed between said positive electrode and said negative electrode; and

a non-aqueous electrolyte,

wherein said separator comprises non-woven fabric, said non-woven fabric has a melt-down temperature of  $150^\circ\text{C}$  or more,

at least one of said positive electrode and said negative electrode has a porous film that is adhered to a surface thereof, said porous film has a thickness of not less than  $0.5 \mu\text{m}$  and not more than  $10 \mu\text{m}$ ,

said non-woven fabric has a thickness of not less than  $[[15]] \text{ } 10 \mu\text{m}$  and not more than  $25 \mu\text{m}$ ,

a total thickness of said porous film and said non-woven fabric is not less than  $[[15.5]] \text{ } 15 \mu\text{m}$  and not more than  $30 \mu\text{m}$ , and

said porous film comprises an inorganic oxide filler and a binder, said filler comprises alumina, and the content of said filler in said porous film is not less than 90% by weight and not more than 99% by weight of the total weight of the porous film,

wherein said positive electrode and said negative electrode are wound with said separator interposed therebetween.

2-3. (Cancelled)

4. (Original) The lithium secondary battery in accordance with claim 1, wherein said non-woven fabric comprises at least one selected from the group consisting of polypropylene, polyamide, polyimide, and polyethylene terephthalate.

5. (Cancelled)

6. (Original) The lithium secondary battery in accordance with claim 1, wherein said binder comprises at least a polymer having an acrylonitrile group.

7-8. (Cancelled)

9. (New) The lithium secondary battery in accordance with claim 1, wherein said non-woven fabric comprises polyamide.